



US009032555B2

(12) **United States Patent**  
**Kim**

(10) **Patent No.:** **US 9,032,555 B2**  
(45) **Date of Patent:** **May 19, 2015**

(54) **VISOR CAP HAVING VARIABLE VISORS**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 148 days.

(21) Appl. No.: **13/384,983**

(22) PCT Filed: **Jul. 19, 2010**

(86) PCT No.: **PCT/KR2010/004706**

§ 371 (c)(1),  
(2), (4) Date: **Jan. 19, 2012**

(87) PCT Pub. No.: **WO2011/010847**

PCT Pub. Date: **Jan. 27, 2011**

(65) **Prior Publication Data**

US 2012/0110718 A1 May 10, 2012

(30) **Foreign Application Priority Data**

Jul. 22, 2009 (KR) ..... 10-2009-0066914

(51) **Int. Cl.**

**A42B 1/00** (2006.01)

**A42B 1/06** (2006.01)

(52) **U.S. Cl.**

CPC ..... **A42B 1/065** (2013.01); **A42B 1/062** (2013.01)

(58) **Field of Classification Search**

CPC ..... A42B 1/00; A42B 1/06; A42B 1/061;  
A42B 1/062; A42B 1/063; A42B 1/065;  
A42B 1/066; A42B 1/068; A42B 1/069  
USPC ..... 2/6.5, 15, 10, 9, 181.4, 182.2, 184.5,  
2/209.12, 209.13, 175.1, 195.1, 195.2,  
2/195.7

See application file for complete search history.

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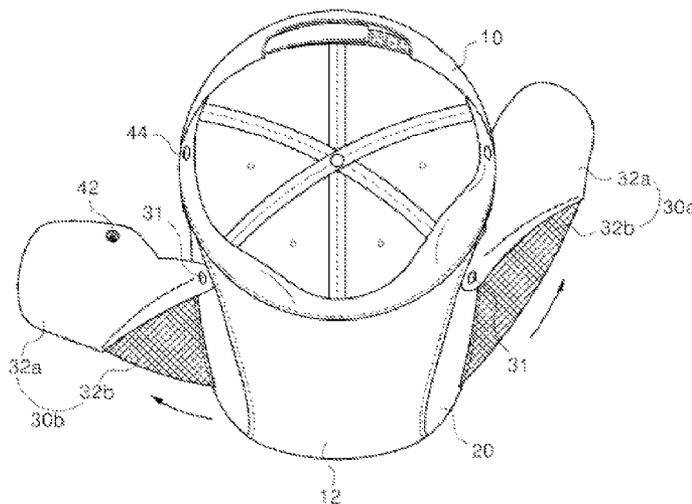
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(57) **ABSTRACT**

The present invention relates to a visor cap. It is an aim of the present invention to provide a visor cap which can widen a sun blocking area through variable visors and which enables a wearer to adjust the sun-blocking area while improving wearing comfort. To accomplish the aim, provided is a visor cap including a main body, a fixed visor, and a pair of variable visors hinged to both sides of an upper surface or a lower surface of the fixed visor, so as to vary the sun-blocking area, wherein each of the pair of variable visors includes: a first variable visor portion which is made of a textile material and one side of which is fixed at an edge of the fixed visor; and a second variable visor portion which is made of a synthetic resin material and which is coupled to the other side of the first variable visor portion. The visor cap of the present invention is advantageous in that it enables a wearer to adjust the sun-blocking area if needed, and is prevented from contacting the skin of the wearer, thus improving is wearing comfort while expanding the sun-blocking area.

**4 Claims, 5 Drawing Sheets**



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Fig. 1

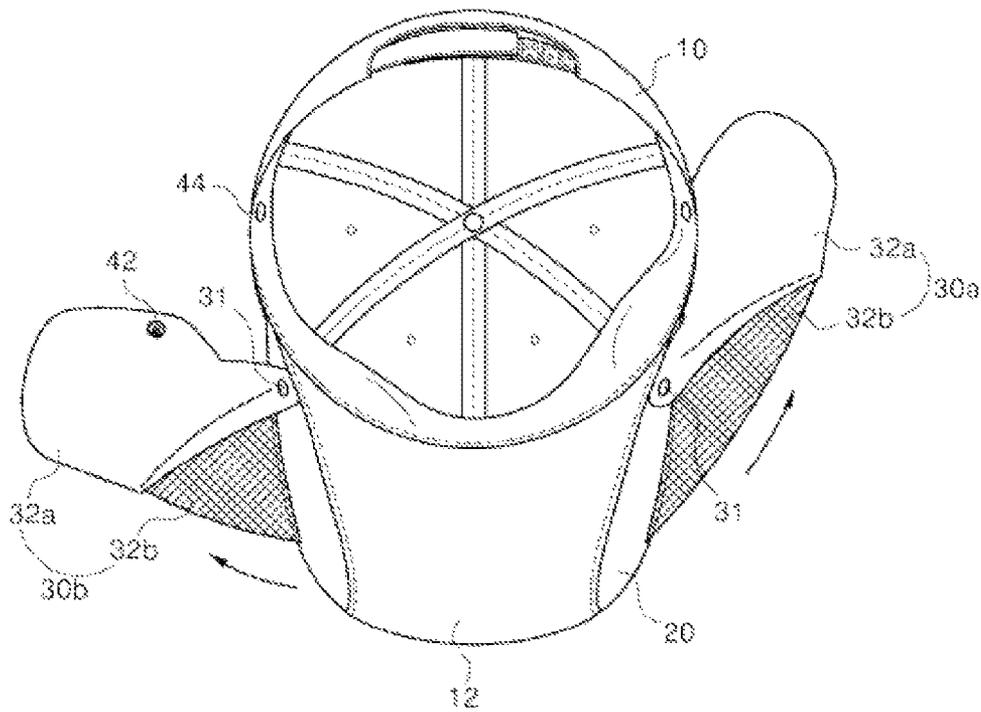


Fig. 2

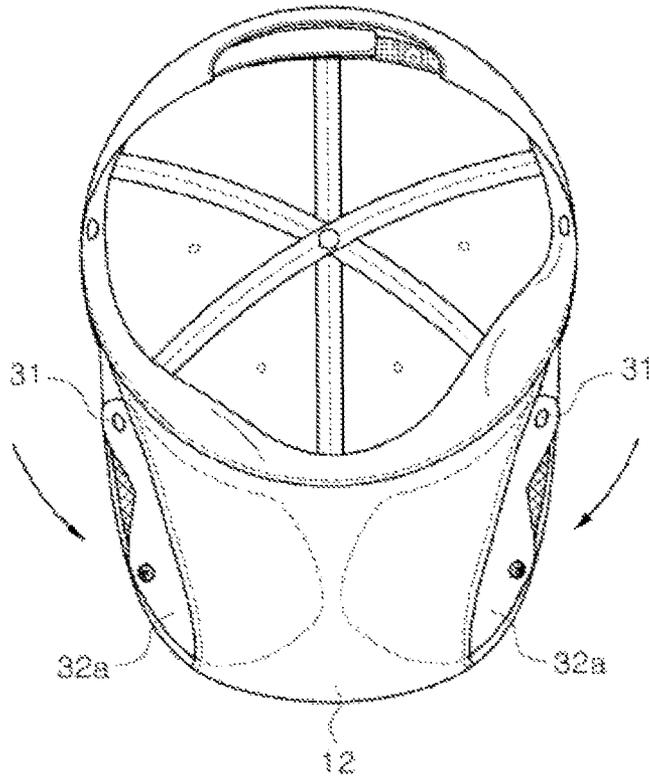


Fig. 3

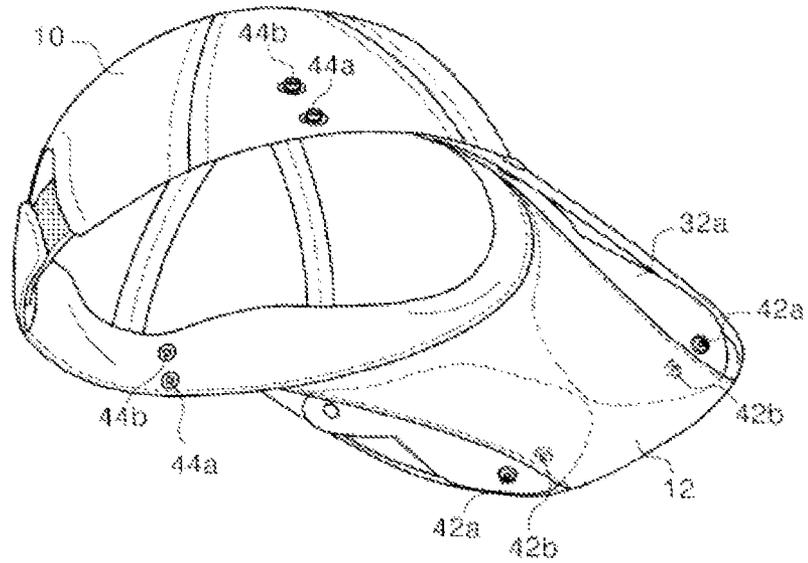


Fig. 4

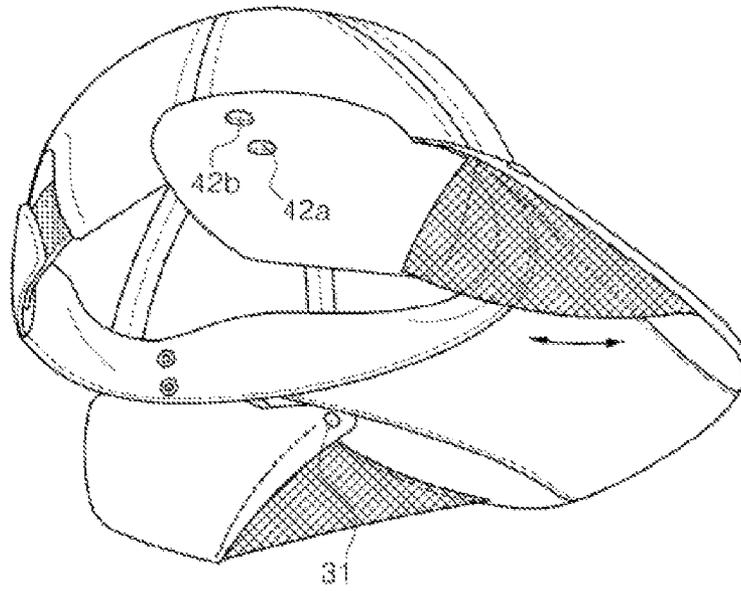


Fig. 5

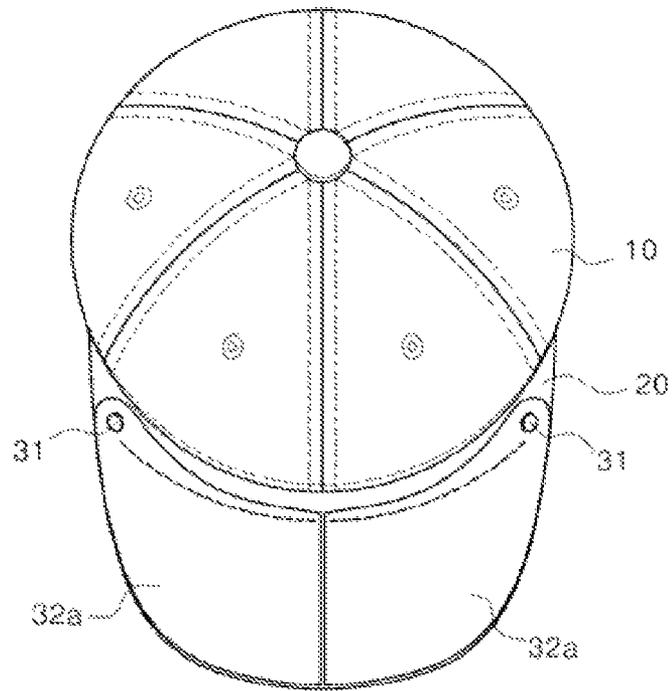


Fig. 6

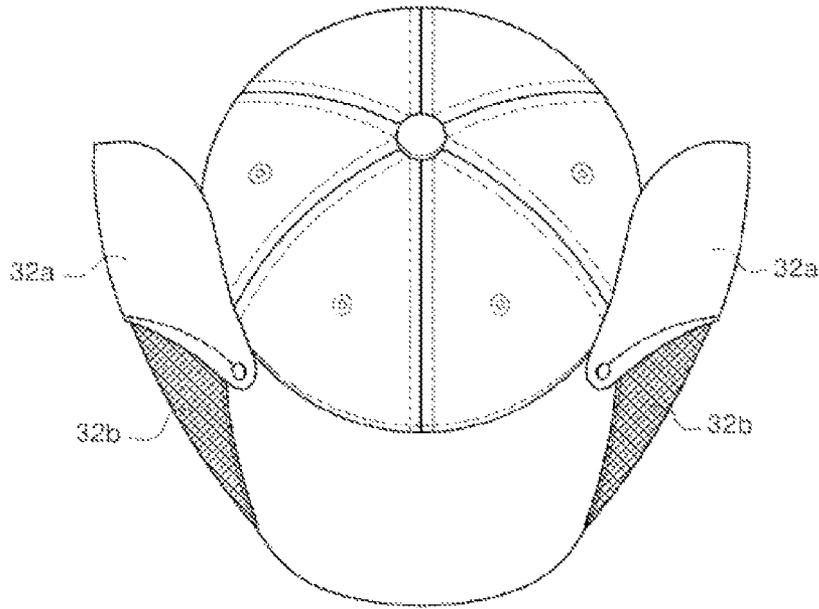


Fig. 7

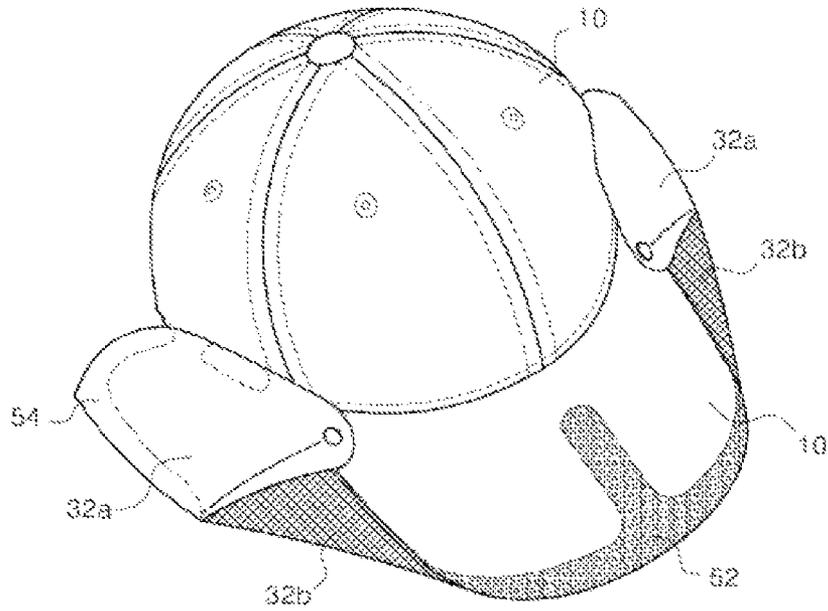
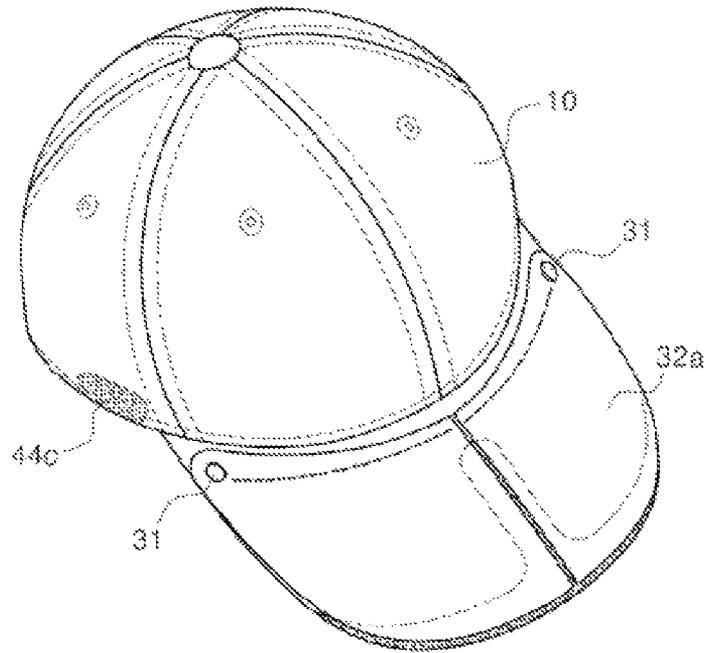


Fig. 8



**VISOR CAP HAVING VARIABLE VISORS**

## RELATED APPLICATIONS

This application is a 371 application of International Appli- 5  
 cation No. PCT/KR2010/004706, filed Jul. 19, 2010, which  
 in turn claims priority from Korean Patent Application No.  
 10-2009-0066914, filed Jul. 22, 2009, each of which is incor-  
 porated herein by reference in its entirety.

## TECHNICAL FIELD

The present invention relates to a visor cap, and in particular 15  
 to a visor cap having an accommodation function and variable  
 visors which is made from different materials and has an  
 adjustable visor area.

## BACKGROUND ART

A visor cap generally aims to protect a user's face from a 20  
 strong sunshine with a visor designed to interrupt sunshine  
 being relatively wider than a common cap.

The conventional visor cap is characterized in that a visor 25  
 designed to protect sunshine is generally fixed, which brings  
 in some limits in interrupting sunshine (in particular, at the  
 sides of a cap). In the event that a visor is too sizable, such  
 bigger visor might obstruct a user's field of vision when there  
 is not sunshine or sunshine is weak.

In order to overcome the above problems, a Japanese laid- 30  
 open patent publication 2006-225825, a Korean patent appli-  
 cation number 20-2000-0002572 and a Korean utility model  
 registration number 0437323 disclose some technologies  
 changing the lengths of a visor.

Among the above prior arts, the Japanese laid-open patent 35  
 publication 2006-225825 is characterized in that a pair of  
 assistant visors are fixedly hinged at a fixed visor, thus adjust-  
 ing a visor area, and the Korean utility model registration  
 number 0437323 (a cap with a variable visor) is characterized  
 in that a cap covering a user's head, a fixed visor fixed at a 40  
 front side of the cap, and a variable visor sliding at both sides  
 of a fixed visor. In more details, there are provided a fixing  
 visor with a guide being integral with a visor board, and a  
 slide part provided at both sides of a fixing visor in opposite  
 directions and protruded from one side of a variable visor 45  
 part. The slide part comprises a pair of variable visors each  
 having a guide groove for an insertion into a guide, and a  
 cover fixed at a front end portion and a rear end portion of a  
 lower side of a fixed visor, thus supporting a variable visor.

In the above-described prior art, in the event that a variable 50  
 visor is made from a hard material such as a plastic material  
 or the like, the size of a variable visor is limited to the extent  
 that it can be accommodated into a fixed visor, which brings  
 in a problem that sunshine coming in from a lateral side  
 cannot be effectively interrupted. In the event that a variable  
 visor is made from a woven material, a variable visor might 55  
 come into direct contact with a users skin, which makes a  
 wearing feeling worse.

The conventional art is disadvantageous in the facts that a  
 visor area of a variable visor cannot be adjusted.

## DISCLOSURE OF INVENTION

Accordingly, it is an object of the present invention to 65  
 provide a visor cap which overcomes the problems encoun-  
 tered in the conventional art, with a variable visor area being  
 adjusted by a user, with a variable visor area being wider than  
 the area of a fixed visor area.

It is another object of the present invention to provide a  
 visor cap which has an excellent wearing feeling.

To achieve the above objects, there is provided a visor cap  
 having variable visors, comprising a body; a fixed visor; and  
 a pair of variable visors which are hinged at both sides of an 5  
 upper surface or a lower surface of the fixed visor, thus adjust-  
 ing the visor area, wherein said variable visor comprises a first  
 variable visor part one side surface of which is fixed at a rim  
 part of the fixed visor, with the first variable visor part being  
 made from a woven material; and a second variable visor part 10  
 which is hinged at a side surface of the fixed visor and is  
 coupled at the other side surface of the first variable visor part,  
 with the second variable visor part being made from a syn-  
 thetic resin.

Here, the first variable visor part is made from a spandex 15  
 woven material.

In the event that the variable visor is installed beneath the  
 fixed visor, an accommodation part is disposed beneath the  
 fixed visor for thereby accommodating the variable visors  
 therein.

In addition, there is provided a coupling means for cou- 20  
 pling the body and the variable visor in order for the variable  
 visor to be fixed in an expanded state. The coupling means is  
 either a Velcro tape or a snap button.

Finally, there is provided a fixing means for coupling the 25  
 fixed visor and the variable visor in order for the variable visor  
 to be fixed in a folded state. The fixing means is a Velcro tape.

## ADVANTAGEOUS EFFECTS

The visor cap having variable visors according to the 30  
 present invention is characterized in that a variable visor is  
 formed of a first variable visor part made from a spandex  
 woven material and a second variable visor part made from a  
 synthetic resin, so a user can freely adjust a variable area, with  
 a visor area being wider than that of a fixed visor.

Even when a visor area is expanded, a visor does not 35  
 contact with a users skin, which results in an excellent wear-  
 ing feeling in a visor cap.

## BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will become better understood with  
 reference to the accompanying drawings which are given  
 only by way of illustration and thus are not limitative of the  
 present invention, wherein;

FIG. 1 is a bottom view illustrating a visor cap having a  
 variable visor according to a preferred embodiment of the  
 present invention;

FIG. 2 is a view illustrating a change from FIG. 1;

FIG. 3 is a perspective view illustrating a visor cap having  
 variable visors according to a preferred embodiment of the  
 present invention;

FIG. 4 is a view illustrating a change from FIG. 3;

FIG. 5 is a perspective view illustrating a visor cap having  
 variable visors according to another embodiment of the  
 present invention;

FIG. 6 is a view illustrating a change from FIG. 5;

FIG. 7 is a perspective view illustrating a visor cap having  
 variable visors according to further another embodiment of  
 the present invention; and

FIG. 8 is a view illustrating a change from FIG. 7. 60

BEST MODES FOR CARRYING OUT THE  
INVENTION

The visor cap having variable visors according to the 65  
 present invention will be described with reference to the  
 accompanying drawings.

FIG. 1 is a bottom view illustrating a visor cap having variable visors according to a preferred embodiment of the present invention, and FIG. 2 is a view illustrating a change from FIG. 1.

As shown in FIG. 1, the visor cap having variable visors according to the present invention comprises a body 10, a fixed visor 20, and a pair of variable visor parts 30a and 30b each hinged at the fixed visor 20, the construction of which is same as the conventional art.

The pair of the variable visor parts 30a and 30b are generally hinged beneath the fixed visor 20 and can be expanded for a wider area, when needed.

In details, the variable visors each comprise a first variable visor part 32b one side of which is fixed at a rim portion of the fixed visor 20 with the variable visor each being made from a woven material, and a second variable visor part 32a which is hinged at a side portion of the fixed visor 20 by means of a hinge part 31 and is coupled with the other side portion of the first variable visor part 32b and is made from a synthetic resin.

Here, it is preferred that the first variable visor part 32b is made of a spandex woven material with a certain flexibility.

As shown in FIG. 1, in the event that the variable visor (first variable visor part 32b and second variable visor part 32a) is installed beneath the fixed visor 20, an accommodation part 12 is formed beneath the fixed visor 20, thus accommodating the variable visor.

As shown in FIG. 2, it is preferred that the accommodation part 12 is fixed at the front and rear sides of the fixed visor 20 and can be received into the inner side of the accommodation part 12 both sides of which are open in such a way to rotate the second variable visor part 32a about the hinge part 31.

It is preferred that there is a coupling means for coupling the body 10 and the variable visor in order for the variable visors to be fixed in a state that the variable visors are expanded, and the coupling means might be formed of either a Velcro tape or a snap button.

As shown in FIG. 1, in the event that the snap button is used, a female button is installed at the second variable visor part 32a, and a male button is installed at the side of the body 10, thus coupling with each other with the variable being expanded.

FIG. 3 is a perspective view illustrating a visor cap having variable visors according to a preferred embodiment of the present invention, and FIG. 4 is a view illustrating a change from FIG. 3.

The first variable visor part 32b of the present invention can be expandable since it is made from a flexible cloth material. When the coupling means is formed of a snap button as shown in FIG. 3, a plurality of female buttons 42a and 42b and a plurality of male buttons 44a and 44b are used, so the visor area can be adjusted by changing the positions where the second variable visor part 32a is fixed at the body 10.

For an additional feature, it is preferred that the snap button installed at the body 10 is installed at an inner side surface, thus hiding the same from the outside for a better looking. In the event that the Velcro tape is used, a Velcro with a smooth surface is installed at the second variable visor part 32a, and a Velcro with a tough surface is installed at the body. The Velcro with a tough surface installed at the body is installed in a circumferential shape about the hinge part 31 so that the position where the second variable visor part 32a is fixed can be adjusted.

The present invention according to another embodiment of the present invention will be described.

FIG. 5 is a perspective view illustrating a visor cap having variable visors according to another embodiment of the present invention, and FIG. 6 is a view illustrating a change from FIG. 5.

As shown in FIG. 5, the pair of the variable visor parts 30a and 30b are hinged at the upper surface of the fixed visor 20, so it is possible to widen the visor area by expanding the second variable visor part 32a as shown in FIG. 6, if necessary.

Here, the second variable visor part 32a is manufactured in match with the shape of the fixed visor 20. If not necessary, the fixed visor 20 remains lifted-up over the upper surface of the fixed visor 20. In the event that it is expanded, the variable visor area can be widened by means of the first variable visor part 32b.

There is provided a fixing means for coupling the fixed visor and the variable visors in order for the variable visors to be fixed in a folded state, and it is preferred that the fixing means is a Velcro tape.

FIG. 7 is a perspective view illustrating a visor cap having variable visors according to further another embodiment of the present invention, and FIG. 8 is a view illustrating a change from FIG. 7.

As shown in FIG. 7, Velcro tapes 52 and 54 are installed at the upper surface of the fixed visor 20 and beneath the second variable visor part 32a. As shown in FIG. 8, while the variable visor is folded, it keeps stably being fixed at the fixed visor 20.

As mentioned earlier, in the event that the Velcro tape is used as a coupling means, a Velcro with a smooth surface is installed at the second variable visor part 32a, and a Velcro 44c with a tough surface is installed at the body.

As the present invention may be embodied in several forms without departing from the spirit or essential characteristics thereof, it should also be understood that the above-described examples are not limited by any of the details of the foregoing description, unless otherwise specified, but rather should be construed broadly within its spirit and scope as defined in the appended claims, and therefore all changes and modifications that fall within the meets and bounds of the claims, or equivalents of such meets and bounds are therefore intended to be embraced by the appended claims.

The invention claimed is:

1. A visor cap, comprising:

a cap body (10);  
a fixed visor (20) coupled to the body (10) at a front of the body (10);

left and right hinges (31) respectively disposed at left and right sides of the fixed visor (20) at rear portions of the fixed visor (20); and

a pair of left and right variable visor parts (30a, 30b) respectively coupled to the left and right sides of the fixed visor (20),

wherein the left variable visor (30a) comprises,  
a first left variable visor part (32b) having a connection portion with the fixed visor (20), the connection portion extending from the left hinge (31) toward a front portion in a substantial length,

a second left variable visor part (32a) coupled to the first left variable visor part (32b), the second left variable visor part (32a) having one end coupled to the left hinge (31), the second left variable visor part (32a) matching with a shape of the left side of the fixed visor (20),

wherein the right variable visor (30b) comprises,  
a first right variable visor part (32b) having a connection portion with the fixed visor (20), the connection portion extending from the right hinge (31) toward a front portion in a substantial length,

a second right variable visor part (32a) coupled to the first right variable visor part (32b), the second right variable visor part (32a) having one end coupled to the right hinge (31), the second right variable visor part (32a) matching with a shape of the right side of the fixed visor (20),

wherein the first left/right variable visor parts (32b) provided in both sides of the fixed visor (20) are made of a woven material or a spandex woven material,

wherein the second left/right variable visor parts (32a) provided in both sides of the fixed visor (20) are made of a synthetic resin,

wherein the fixed visor (20) has left and right accommodation part (12) constructed to receive therein the left and right variable visor parts (30a, 30b) respectively.

2. The visor cap according to claim 1,

wherein the body (10) has left and right coupling means for coupling the left and right variable visor parts (30a, 30b) respectively thereto,

wherein the left and right variable visor parts (30a, 30b) are capable of being widen by the first left and right variable visor parts (32b).

3. The visor cap according to claim 2, wherein said coupling means is a snap button.

4. The visor cap according to claim 1, further comprising fixing units constructed to keep a folded state of the left and right variable visor parts (30a, 30b).

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